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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Graeme Semple, et al. Art Unit : Unknown
Serial No. : 10/560,332 Examiner : Unknown
Filed : December 9, 2005 Conf. No. : 9629
Title : 5-SUBSTITUTED 2H-PYRAZOLE-3-CARBOXYLIC ACID DERIVATIVES AS
AGONISTS FOR THE NICOTINIC ACID RECEPTOR RUP25 FOR THE
TREATMENT OF DYSLIPIDEMIA AND RELATED DISEASES

MAIL STOP AMENDMENT

Commissioner for Patents
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Inclusion of the information submitted herewith is not to be construed as an admission that the information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

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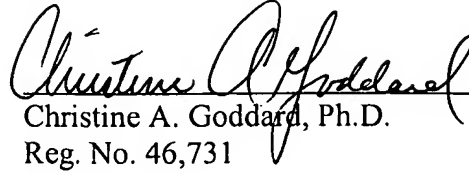
February 22, 2007
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Applicant : Graeme Semple, et al.
Serial No. : 10/560,332
Filed : December 9, 2005
Page : 2 of 2

Attorney's Docket No.: 20750-041US1 / 059.US2.PCT

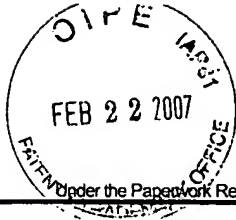
Respectfully submitted,

Date: February 22, 2007


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STATEMENT BY APPLICANT**

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Sheet 1 of 15

Complete if Known

Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication/Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	AA	US-2005/0143443 A1	06-30-2005	Fang <i>et al.</i> ,	
	AB	US-2004/0220186 A1	11-04-2004	Bell <i>et al.</i> ,	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date/Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	AN	WO 2004/085401 A1	10-07-2004	Pfizer		
	AO	WO 2004/078732 A1	09-16-2004	Aventis Pharma S.A.		
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	AX	WO 97/29748 A1	08-21-97	Bristol-Myers Squibb Company		

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STATEMENT BY APPLICANT**

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Sheet 2 of 15

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Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

FOREIGN PATENT DOCUMENTS

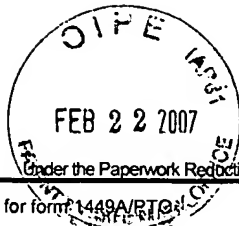
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	BS	EP 0442430 B1	02-11-1991	Lonza AG		
	BT	EP 0029364 A1	11-14-1980	Morishita Pharma Co. LTD.		

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Sheet 3 of 15

Complete if Known

Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

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FOREIGN PATENT DOCUMENTS

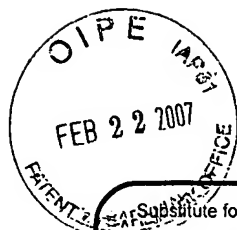
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date/Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
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	BV	DE 2604560 A1	08-11-1977	Boehringer Mannheim GmbH		
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	CJ	DE 2454137 A1	05-20-1976	Fa. Johann A. Wulfig		
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	CM	WO00/69849	11-23-2000	Ortho-McNeil Pharmaceutical, Inc.		
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	CP	HU184940B	11-28-1984	Gyogyszerkutato Intezet		

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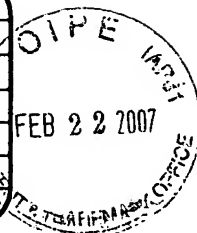
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		First Named Inventor	Graeme Semple		
		Art Unit	1614		
		Examiner Name	Unknown		
Sheet	4	of	15	Attorney Docket Number	59.US2.PCT



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CQ	HANING <i>et al.</i> , "Comparision of Different heterocyclic scaffolds as substrate analog PDE5 inhibitors," <i>Bioorganic & Medicinal Chemistry Letters</i> , (2005), 15(17), 3900-3907	
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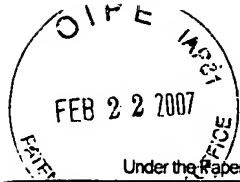
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Sheet 5 of 15

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Application Number	10/560,332
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	DE	GRIMMETT <i>et al.</i> , "The N-Alkylation and N-Arylation of Unsymmetrical Pyrazoles," <i>Australian Journal of Chemistry</i> , (1979), 32(10), 2203-13	
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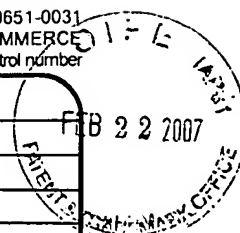
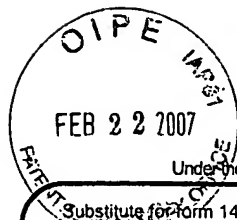
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 6 of 15

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Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	DS	FROESCH <i>et al.</i> , "Effects of nicotinic acid and structurally related drugs on adipose tissue in vitro and on carbohydrate and lipid metabolism of normal and diabetic rats in vivo," <i>Metab. Eff. Nicotinic Acid Its Deriv., Proc. Workshop</i> , (1971), Meeting Date 1970, 773-94	
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	DV	MALAISSE <i>et al.</i> , "Biochemical, Pharmacological, and Physiological Aspects of the Adenylcyclase-Phosphodiesterase System in the Pancreatic β -Cells," <i>Struct. Metab. Pancreatic Islets, Proc. Int. Symp.</i> , (1970), Meeting Date 1969, 435-44	
	DW	TAMASI <i>et al.</i> , "Changes in serum triglyceride and cholesterol levels independently of free fatty acid after lipolysis inhibitors," <i>Biochemical Pharmacology</i> , (1970), 19(5), 1826-30	
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	EC	EASTWOOD <i>et al.</i> , "Some effects of 3-chloroisoxazole-5-carboxylic acid on lipid and carbohydrate metabolism," <i>Biochemical Pharmacology</i> , (1969), 18(3), 569-77	
	ED	BIZZI <i>et al.</i> , "The hypersensitivity of adipose tissue to norepinephrine and other lipolytic agents during blockade of free fatty acids (FFA) mobilization," <i>Biochemical Pharmacology</i> , (1969), 18(9), 2053-60	
	EE	TAMASI <i>et al.</i> , "Comparison of the Antilipemic Effect of Nicotinic Acid (NA) and 3-Methylpyrazole-5-Carboxylic Acid (MPC) in rats," <i>Biochemical Pharmacology</i> , (1968), 17(9), 1789-94	
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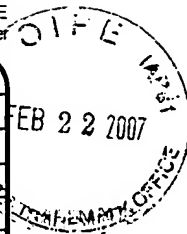
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		Art Unit	1614
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		Attorney Docket Number	59.US2.PCT
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	EG	KUPIECKI <i>et al.</i> , "Effects of 5-Methylpyrazole-3-carboxylic acid (U-19425) and nicotinic acid on lipolysis in vitro and in vivo and on cyclic-3',5'-AMP phosphodiesterase," <i>Journal of Pharmacology and Experimental Therapeutics</i> , (1968), 160(1), 166-70	
	EH	SICKINGER, "Glucose requirement for prolonged blocking of lipolysis with 3,5-dimethylisoxazole and 5-methylpyrazole-3-carboxylic acid," <i>Klinische Wochenschrift</i> , (1968), 46(10), 563-5	
	EI	BIZZI, "Inhibition of fatty acid release by pyrazole derivatives," <i>Progress in Biochemical Pharmacology</i> , (1968), 4 573-7	
	EJ	FANG, "Salicylate hypoglycemic action in alloxan-diabetic rats and structural relationships," <i>Archives Internationales de Pharmacodynamie et de Therapie</i> , (1968), 176(1), 193-208	
	EK	TAMASI <i>et al.</i> , "3-(5)-Metil-5-(3)-pirazol-karbonsav (MPK) patkanyok alloxan-diabeteses lipaemiajara gyakorolt hatasa," <i>Acta Pharmaceutica Hungarica</i> , (1968), 38(2-3), 166-70	
	EL	BIZZI <i>et al.</i> , "3-Methyl-5-Carboxamidepyrazole, a long lasting inhibitor of lipolysis," <i>Farmaco, Edizione Scientifica</i> , (1967), 22(9), 709-16	
	EM	SMITH <i>et al.</i> , "Absorption, Metabolism, and Excretion of 5-Methylpyrazole-3-carboxylic Acid in the Rat, Dog, and Human," <i>Journal of Pharmaceutical Sciences</i> , (1967), 56(9), 1150-7	
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	EQ	HO <i>et al.</i> , "Insulin-Like Action of Quabain I. Effect on Carbohydrate Metabolism," <i>Biochimica et Biophysica Acta</i> , (1967), 144(1), 61-73	
	ER	SPRIO <i>et al.</i> , "Transformazioni nucleari per idrogenolisi. Trasformazione del nucleo isossiazolico in nucleo piridazinico," <i>Annali di Chimica</i> , (Rome, Italy) (1967), 57(7), 846-54	
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			Filing Date	09/08/2006
			First Named Inventor	Graeme Semple
			Art Unit	1614
			Examiner Name	Unknown
(Use as many sheets as necessary)			Attorney Docket Number	59.US2.PCT
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	EU	VETULANI, "The metabolic activity of some isoxazole and pyrazole derivatives," <i>Dissertationes Pharmaceuticae et Pharmacologicae</i> , (1966), 18(6), 573-84	
	EV	SMITH <i>et al.</i> , "5-Methylpyrazole-3-carboxylic Acid. The Potent Hypoglycemic Metabolite of 3,5-Dimethylpyrazole in the Rat," <i>Journal of Medicinal Chemistry</i> , (1965), 8(3), 350-3	
	EW	TABAK <i>et al.</i> , "Chromatography of Pyrazole Derivatives on Acetylated Paper," <i>Journal of Chromatography</i> , (1965), 17(3), 520-7	
	EX	FROESCH <i>et al.</i> , "Insulin Inhibition of Spontaneous Adipose Tissue Lipolysis and Effects upon Fructose and Glucose Metabolism," <i>Molecular Pharmacology</i> , (1965), 1(3), 280-96	
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	FB	MARSHUPTA <i>et al.</i> , "The solubility of propylene in aromatic hydrocarbons," <i>Khim. Prom.</i> , (1965), 41(8), 585-7	
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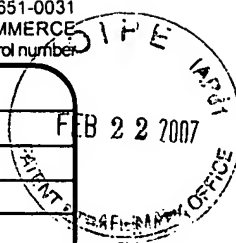
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	FI	DAL MONTE <i>et al.</i> , "Ricerche sugli eterociclici: spettri di assorbimento U.V. e proprietà cromoforiche," <i>Gazzetta Chimica Italiana</i> , (1956), 86 797-848	
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	FK	AINSWORTH <i>et al.</i> , "Reactions of Hydrazines with γ -pyrones," <i>Journal of the American Chemical Society</i> , (1954), 76, 3172-4	
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	FR	DEWAR <i>et al.</i> , "Sulphanilamides of Some Aminopyrazoles, and a Note on the Application of <i>p</i> -Phthalimidobenzenesulphonyl Chloride to the Synthesis of Sulphanilamides," <i>Journal of the Chemical Society</i> , (1945), 114-16	
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	FU	AUWERS <i>et al.</i> , "Über Acyl-pyrazole," <i>Journal fuer Praktische Chemie</i> , (Leipzig) (1930), 126 146-76	
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	FW	YAMANAKA <i>et al.</i> , "Syntheses of Heteroaromatic Carboxylic Acids Closely Related to Fusaric Acid," <i>Chemical & Pharmaceutical Bulletin</i> , (1983), 31(12), 4549-53	
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	FY	HUO <i>et al.</i> , "Methyl 4-bromo-1,3-dimethylpyrazole-5-carboxylate," <i>Acta Crystallographica, Section E: Structure Reports Online</i> , (2003), E59(12), o2013-o2014	
	FZ	EHLERT <i>et al.</i> , "Polynuclear pyrazolate complexes of copper. Crystal and molecular structures of...", <i>Canadian Journal of Chemistry</i> , (1992), 70(8), 2161-73	
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	GH	PANIZZI <i>et al.</i> , Heterocyclic syntheses. VII. Some pyrazolic ketones. <i>Gazzetta Chimica Italiana</i> (1946), 76, 66-77	

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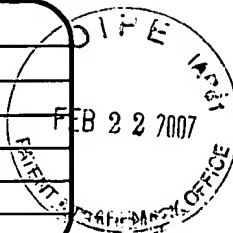
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Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59. US2.PCT

**NON PATENT LITERATURE DOCUMENTS**

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	GI	MELANI <i>et al.</i> , Synthesis of 5H-10,11-dihydropyrazolo[5,1-c][1,4]benzodiazepine derivatives. II. <i>Journal of Heterocyclic Chemistry</i> (1984), 21(3), 813-15	
	GJ	KLAGES <i>et al.</i> , Pyrazoles from 1:3-diketones and alkyl diazoacetates. <i>Journal fuer Praktische Chemie</i> (1902), 65(ii), 387-93	
	GK	OWEN <i>et al.</i> , Olefinic acids. II. Reactivity of α -bromoacrylic acid and some related compounds. <i>Journal of the Chemical Society</i> (1947), 1030-4	
	GL	ABDALLAH <i>et al.</i> , Diazoacetaldehyde dimethyl acetal: a new route to cyclopropane aldehydes and formylpyrazoles. <i>Tetrahedron Letters</i> (1980), 21(23), 2239-42	
	GM	International Search Report, WO 2005/011677, 12/10/2004	
	GN	ALTSCHUL <i>et al.</i> , Influence of nicotinic acid on serum cholesterol in man. <i>Archives of biochemistry</i> (1955), 54(2), 558-9	
	GO	TAVINTHARAN <i>et al.</i> , The benefits of niacin in atherosclerosis. <i>Current atherosclerosis reports</i> (2001), 3(1), 74-82	
	GP	CARLSON <i>et al.</i> , Nicotinic acid: the broad-spectrum lipid drug. A 50th anniversary review. <i>Journal of Internal Medicine</i> (2005), 258(2), 94-114	
	GQ	LORENZEN <i>et al.</i> , Characterization of a G protein-coupled receptor for nicotinic acid. <i>Molecular Pharmacology</i> (2001), 59(2), 349-357	
	GR	SOGA <i>et al.</i> , Molecular identification of nicotinic acid receptor. <i>Biochemical and Biophysical Research Communications</i> (2003), 303(1), 364-369	
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	GT	ZHANG <i>et al.</i> , Niacin mediates lipolysis in adipose tissue through its G-protein coupled receptor HM74A. <i>Biochemical and Biophysical Research Communications</i> (2005), 334(2), 729-732	
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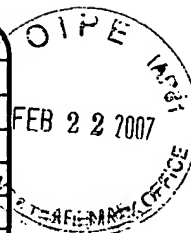
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Art Unit	1614
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	GW	JIRKOVSKY <i>et al.</i> , Hypolipidemic 4,5-dihydro-4-oxo-5,5-disubstituted-2-furancarboxylic acids. <i>Journal of Medicinal Chemistry</i> (1982), 25(10), 1154-6	
	GX	HUNNINGHAKE <i>et al.</i> , Controlled trial of acifran in type II hyperlipoproteinemia. <i>Clinical pharmacology and therapeutics</i> (1985), 38(3), 313-7	
	GY	SEKI <i>et al.</i> , Studies on hypolipidemic agents. II. Synthesis and pharmacological properties of alkylpyrazole derivatives. <i>Chemical & Pharmaceutical Bulletin</i> (1984), 32(4), 1568-77	
	GZ	VAN HERK <i>et al.</i> , Pyrazole Derivatives as Partial Agonists for the Nicotinic Acid Receptor. <i>Journal of Medicinal Chemistry</i> (2003), 46(18), 3945-3951	
	HA	MAHBOUBI <i>et al.</i> , Triglyceride modulation by acifran analogs: activity towards the niacin high and low affinity G protein-coupled receptors HM74A and HM74. <i>Biochemical and Biophysical Research Communications</i> (2006), 340(2), 482-490	
	HB	FROESCH <i>et al.</i> , Effects of 5-methylpyrazole-3-carboxylic acid on adipose tissue. II. Antilipolytic and hypoglycemic effects in vivo. <i>Molecular Pharmacol.</i> (1967), 3(5), 442-52	
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	HD	Beilstein Records (BRN): 14055, Chemical Name (CN): 4-methyl-5-propionyl-1(2) <i>H</i> -pyrazole-3-carboxylic acid ethyl ester	
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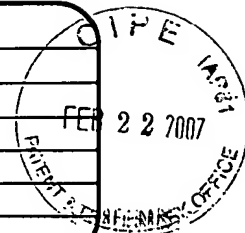
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	HK	BIZZI <i>et al.</i> , Effects of antilipolytic agents on glucose utilization by adipose tissue. <i>Biochemical Pharmacology</i> (1973), 22(6), 763-8	
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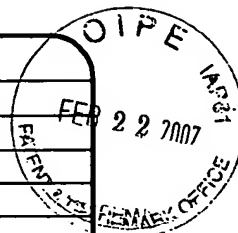
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	IM	KOJIMA <i>et al.</i> , Renal excretion of sodium 4-iodo-5-methylpyrazole-3-carboxylate-1311. <i>Radioisotopes</i> (1979), 28(5), 300-5	
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